

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	8	(tuomi.in. and haverinen.in.) and (nokia.as.)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/27 10:52
L2	17	(login and first and second and password and subscriber).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/27 10:59
L3	8	(identi\$8 and login and confirm\$5 and password and subscriber).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/27 11:01
L4	0	tuomi.as. and (nokia.as.) and 455/410,411.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/27 11:05
L5	1	tuomi.in. and (nokia.as.) and 455/410,411.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/27 11:06
L6	11	(tuomi.in. or haverinen.in. or lyback.in. or pienimaki.in.) and (455/410, 411.ccls. or 380/270.ccls.)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/27 11:20

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	2	ep-1191763-\$.did.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/04 12:52
S2	2	"6112078".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/30 12:47
S3	2	ep-1107089-\$.did.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/31 07:26
S4	2	wo-9519593-\$.did.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/31 07:27
S5	0	wo-199382-\$.did.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/31 07:27
S6	0	wo-0199382-\$.did.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/31 07:28
S7	0	wo-01099382-\$.did.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/31 07:28
S8	0	wo-1099382-\$.did.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/31 07:28

## EAST Search History

S9	0	WLAN same query same (IMSI "international mobile subscriber identity") and 455/410,411.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/31 11:03
S10	0	(WLAN "wireles local area network") same query same (HLR "home location register") same (VPLMN HPLMN) and (IMSI "international mobile subscriber identity") and 455/410,411,432.1,432.2,432.3,433.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/31 11:06
S11	2	(WLAN "wireles local area network") same query same (HLR "home location register") and 455/410,411,432.1,432.2,432.3,433.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/31 11:07
S12	19	(WLAN "wireles local area network") same (HLR "home location register") and 455/410,411,432.1,432.2,432.3,433.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/31 11:29
S13	12	("20010001268"   "20010043577"   "20020099854"   "20020101848"   "20030095527"   "6151628"   "6427170"   "6473413"   "6496505"   "6512754"   "6515989").PN. OR ("6795701").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/31 11:27
S14	18	(WLAN "wireles local area network") same (validat\$3 authenticat\$3) same (HLR "home location register") same (IMSI "international mobile subscriber Identity")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/31 11:34
S15	553	(WLAN "wireles local area network") with (validat\$3 authenticat\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/31 11:34
S16	88	S15 and (IMSI "international mobile subscriber identity")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/31 11:46

## EAST Search History

S17	106	(query request\$3) with (IMSI "international mobile subscriber identity") with (HLR "home location register") and "455"/\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/31 11:52
S18	23	quer\$4 with (IMSI "international mobile subscriber identity") with (HLR "home location register")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/31 14:57
S19	4	(HPLMN same VPLMN) same (HLR "home location register") same (vleidat\$3 authenticat\$3) and "455"/\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/31 14:58
S20	369	(log\$1in log\$1on authenticat\$3 authoriz\$5 authoris\$5 validat\$3 verif\$7) same (multiple "2" two plurality) near3 (password\$1 PIN "personal identification number") same ( ((wireless mobile portable cellular RF hand\$1held hand) adj (phone telephone device equipment apparatus user unit subscriber radio terminal station)) or radio\$1phone or radio\$1telephone or cell\$1phone or (terminal adj (unit equipment)) or telephone or hand\$2phone or hand\$1set or (subscriber adj unit) or (user adj equipment) PDA "personal digital assistant" UE)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/04 14:50
S21	22	S20 and ((455/410,411,550.1,552.1,553.1.ccls.) or (380/247-250,270.ccls.))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/04 13:02
S22	43	("4901340"   "5077790"   "5091942"   "5237612"   "5241598"   "5299263"   "5303285"   "5319711"   "5488649"   "5513245"   "5559886"   "5603084"   "5625869"   "5689563"   "5748742").PN. OR ("5875394").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/06/04 13:09

## EAST Search History

S23	219	(log\$1in log\$1on authenticat\$3 authoriz\$5 authoris\$5 validat\$3 verif\$7) same (multiple "2" two plurality) near3 (password\$1 PIN "personal identification number" key\$1 code code\$1word\$1) and 380/247,248,249,250,270.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/04 13:16
S24	6	S23 and S20	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/04 13:15
S25	36	("3893031"   "3983327"   "3995225"   "4068089"   "4133973"   "4172213"   "4176246"   "4182933"   "4197502"   "4223182").PN. OR ("4440976").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/06/04 14:50
S26	0	(log\$1in log\$1on authenticat\$3 authoriz\$5 authoris\$5 validat\$3 verif\$7) same (multiple "2" two plurality) near3 (password\$1 PIN "personal identification number") same ( ((wireless mobile portable cellular RF hand\$1held hand) adj (phone telephone device equipment apparatus user unit subscriber radio terminal station)) or radio\$1phone or radio\$1telephone or cell\$1phone or (terminal adj (unit equipment)) or telephone or hand\$2phone or hand\$1set or (subscriber adj unit) or (user adj equipment) PDA "personal digital assistant" UE) same (WPKI "wireless public key infrastructure")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/04 14:54
S27	1	(log\$1in log\$1on authenticat\$3 authoriz\$5 authoris\$5 validat\$3 verif\$7) same (password\$1 PIN "personal identification number") same (WPKI "wireless public key infrastructure") and 380/247-250, 270.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/04 14:56
S28	0	(log\$1in log\$1on authenticat\$3 authoriz\$5 authoris\$5 validat\$3 verif\$7) same (password\$1 PIN "personal identification number") same (WPKI "wireless public key infrastructure") and 455/410,411. ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/04 15:14

## EAST Search History

S29	0	(log\$1in log\$1on authenticat\$3 authoriz\$5 authoris\$5 validat\$3 verif\$7) same (password\$1 PIN "personal identification number") same (WPKI "wireless public key infrastructure") and "455"/\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/04 15:15
S30	6	(log\$1in log\$1on authenticat\$3 authoriz\$5 authoris\$5 validat\$3 verif\$7) same (password\$1 PIN "personal identification number") same (WPKI "wireless public key infrastructure")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/04 15:58
S31	26	455/410,411.ccls. and 455/552.1, 553.1.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/04 16:39
S32	0	455/410,411.ccls. and 455/171.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/04 16:40
S33	16	455/410,411.ccls. and 713/171.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/04 16:40
S34	26	455/410,411.ccls. and 455/553.1, 552.1.ccls.	US-PGPUB; USPAT	OR	ON	2007/06/11 07:13
S35	2192	455/410,411.ccls.	US-PGPUB; USPAT	OR	ON	2007/06/11 07:14
S36	208	S35 and (multiple several plurality) near3 (passwords PIN "personal identification number" key\$1)	US-PGPUB; USPAT	OR	ON	2007/06/11 07:41
S37	4	("20020018456"   "20050249176"   "6633761"   "6760444").PN. OR ("7065067").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/06/11 07:31
S38	17	("5222140"   "5237612"   "5299263"   "5303285"   "5384847"   "5390252"   "5748742"   "5940512").PN. OR ("6134431"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/06/11 07:38
S39	35	S35 and 455/551.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2007/06/11 07:38

## EAST Search History

S40	32	S39 not S36	US-PGPUB; USPAT; USOCR	OR	ON	2007/06/11 07:39
S41	534	(multiple several plurality) adj (passwords PIN "personal identification number" key\$1) same (authenticat\$3 validat\$3 verif\$7 authoriz\$5 authoris\$5 log\$1in log\$on sign\$4in signj\$4on) and ("455"/\$.ccls. or "380"/\$.ccls. or "713"/\$.ccls.)	US-PGPUB; USPAT; USOCR	OR	ON	2007/06/11 08:34
S42	105	(multiple several plurality) adj (passwords PIN "personal identification number" key\$1) same (authenticat\$3 validat\$3 verif\$7 authoriz\$5 authoris\$5 log\$1in log\$on sign\$4in signj\$4on) and ("455"/410,411.ccls. or "380"/247-250,277.ccls. or "713"/171.ccls.)	US-PGPUB; USPAT; USOCR	OR	ON	2007/06/11 08:34
S43	83	S42 not S36	US-PGPUB; USPAT; USOCR	OR	ON	2007/06/11 07:53
S44	137	(multiple several plurality) adj (passwords PIN "personal identification number") same (authenticat\$3 validat\$3 verif\$7 authoriz\$5 authoris\$5 log\$1in log\$on sign\$4in sign\$4on) and ("455"/\$.ccls. or "380"/\$.ccls. or "713"/\$.ccls.)	US-PGPUB; USPAT; USOCR	OR	ON	2007/06/11 08:35
S45	130	S44 not S36	US-PGPUB; USPAT; USOCR	OR	ON	2007/06/11 08:57
S46	1	"5590199".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2007/06/11 08:57
S47	2	"6144431".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/14 07:18
S48	2	"6134431".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/14 07:43

## EAST Search History

S49	29	(generat\$3 transmit\$4 receiv\$4) near5 (multiple plurality two second) near5 (password PIN) same ( ((wireless mobile portable cellular RF hand\$1held hand) adj (phone telephone device equipment apparatus user unit subscriber radio terminal station)) or radio\$1phone or radio\$1telephone or cell\$1phone or (terminal adj (unit equipment)) or telephone or hand\$2phone or hand\$1set or (subscriber adj unit) or (user adj equipment) PDA "personal digital assistant" UE) and (455/410,411,41.2.ccls. or 380/247, 248,270.ccls.)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/14 11:34
S50	41	("4864599"   "4958368"   "4992783"   "5046082"   "5091942"   "5237612"   "5241598"   "5257412"   "5297191"   "5297192"   "5301223"   "5315638"   "5386455"   "5386468"   "5414753"   "5457737"   "5485505"   "5513245"   "5553311"   "5553314"   "5572193").PN. OR ("5828956"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/11/14 08:01
S51	873	380/270.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/14 11:34
S52	524	S51 and (@ad<"20020416" or @rlad<"20020416")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/14 11:35
S53	319	S51 and ( (second multiple plurality) near3 (password\$1 PIN "personal identification number" key) )	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/14 11:39
S54	26	S51 and ( (second multiple plurality) near3 (password\$1 PIN "personal identification number") )	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/14 18:21



## EAST Search History

S55	66	(authenticat\$3 validat\$3 authoriz\$5 authoris\$5) same (multiple plurality second many) near3 (password PIN "personal identification number") and (455/410,411.ccls. or 380/270. ccls.)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/14 18:26
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